

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
 Data File : BF109403.D
 Acq On : 27 Sep 2018 22:21
 Operator : JU/SJ
 Sample : J5096-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MT-T-5-2

Quant Time: Sep 28 05:15:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	119779	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	445028	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	187202	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	302385	20.00	ng	0.00
75) Chrysene-d12	13.84	240	280460	20.00	ng	0.00
86) Perylene-d12	15.24	264	203722	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	645062	88.70	ng	0.00
7) Phenol-d6	6.35	99	817830	88.13	ng	0.00
23) Nitrobenzene-d5	7.27	82	528423	70.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	167621	90.83	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	860574	69.33	ng	-0.01
78) Terphenyl-d14	12.80	244	621412	54.38	ng	0.00

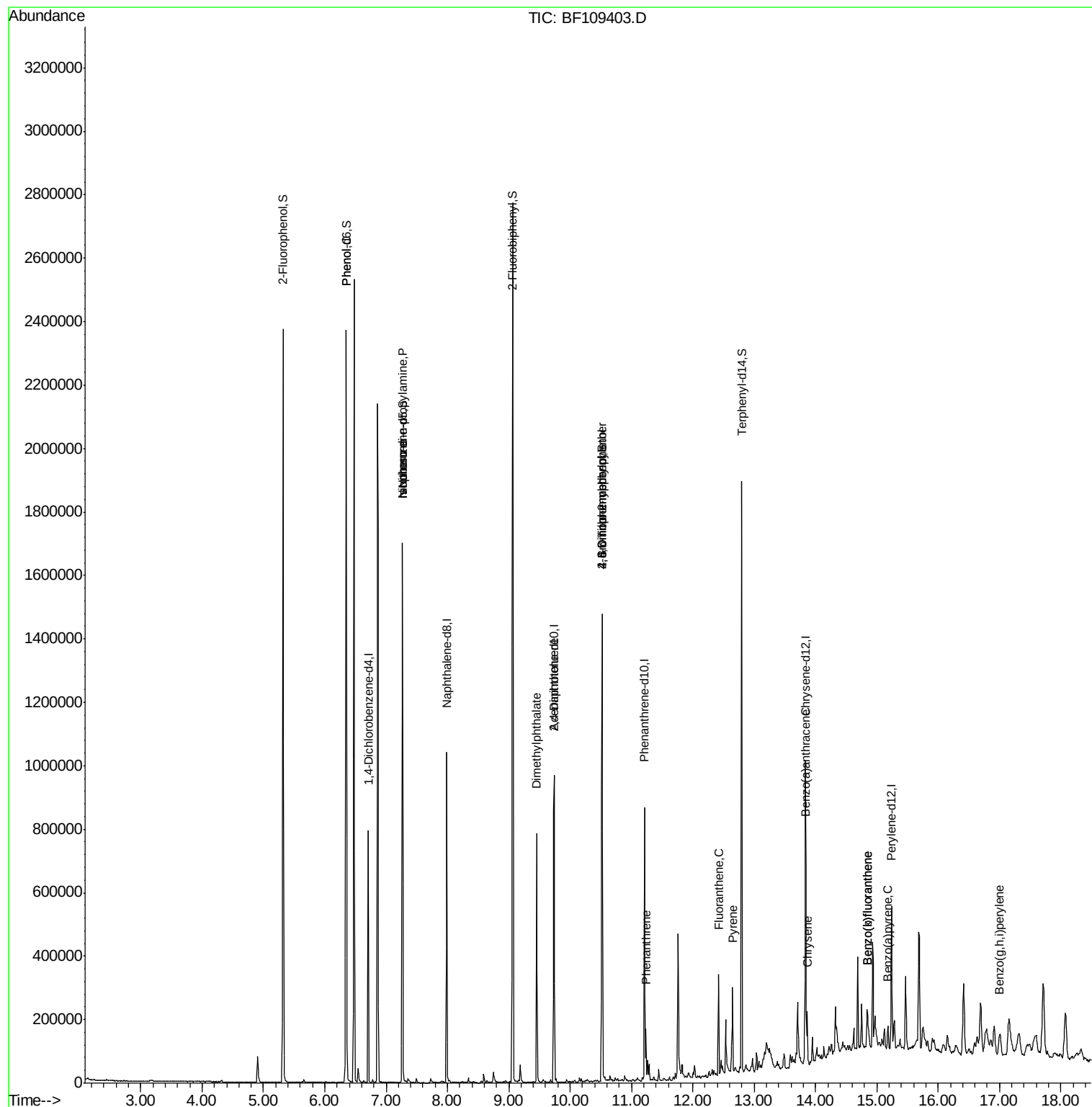
Target Compounds				Qvalue		
10) Phenol	6.36	94	23193	2.207	ng	# 51
19) n-Nitroso-di-n-propylamine	7.27	70	70741	11.634	ng	# 77
25) Isophorone	7.27	82	509119	37.503	ng	# 64
49) Dimethylphthalate	9.46	163	277046	20.347	ng	100
56) 2,4-Dinitrotoluene	9.74	165	24158	7.080	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	184	6.651	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10271	3.059	ng	# 1
70) Phenanthrene	11.24	178	59062	3.912	ng	97
74) Fluoranthene	12.42	202	124352	7.707	ng	93
77) Pyrene	12.64	202	101961	5.073	ng	99
80) Benzo(a)anthracene	13.83	228	51632	3.056	ng	98
82) Chrysene	13.86	228	59408	3.548	ng	96
87) Benzo(b)fluoranthene	14.84	252	78673	7.028	ng	96
88) Benzo(k)fluoranthene	14.84	252	78673	7.406	ng	99
89) Benzo(a)pyrene	15.18	252	33160	3.287	ng	# 97
91) Benzo(g,h,i)perylene	16.99	276	18718	2.301	ng	# 91

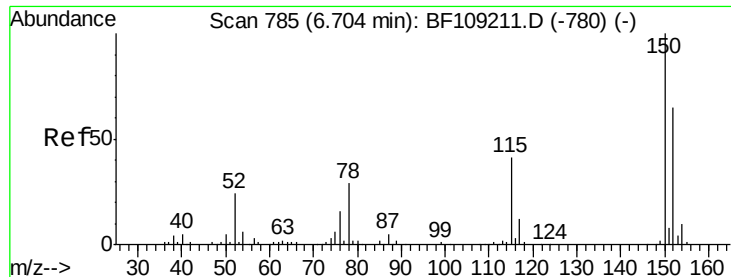
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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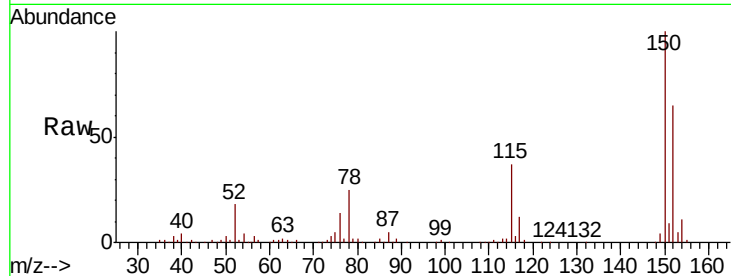


#1

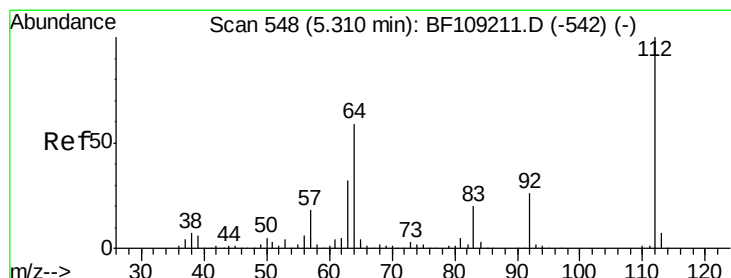
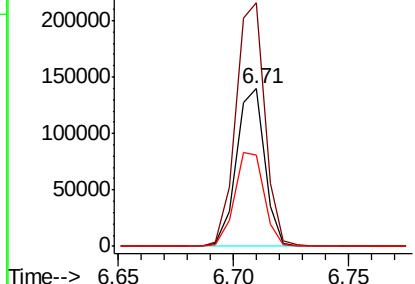
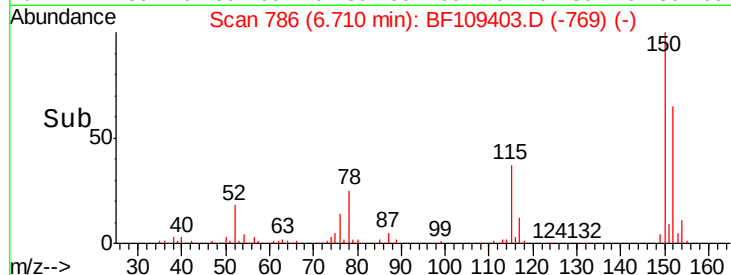
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

Instrument :
BNA_F
ClientSampleId :
MT-T-5-2

Tgt Ion:152 Resp: 119779
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 57.9 50.1 75.1



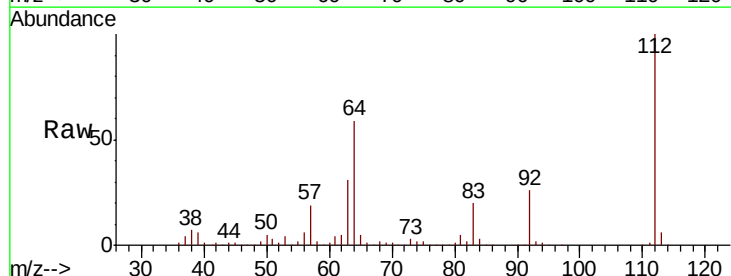
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



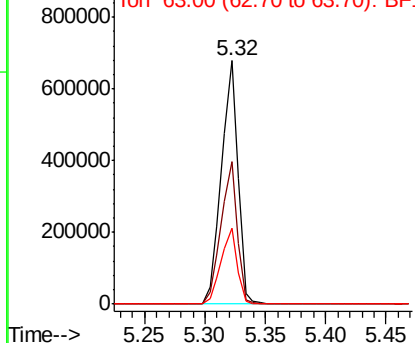
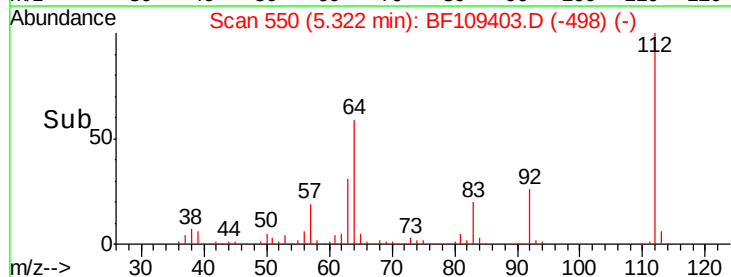
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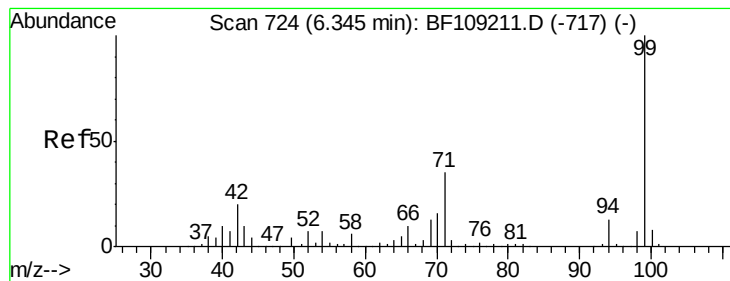
2-Fluorophenol
Concen: 88.702 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

Tgt Ion:112 Resp: 645062
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 31.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.132 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

Instrument :

BNA_F

ClientSampleId :

MT-T-5-2

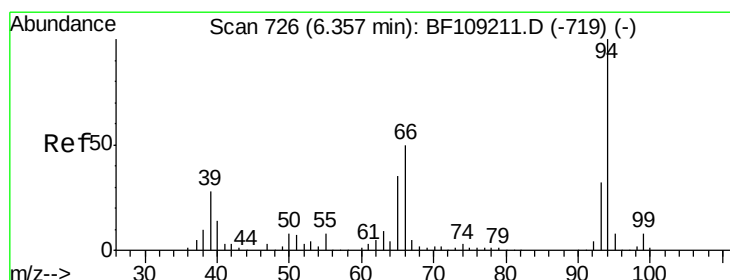
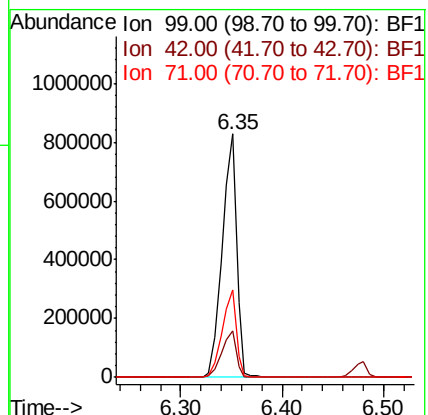
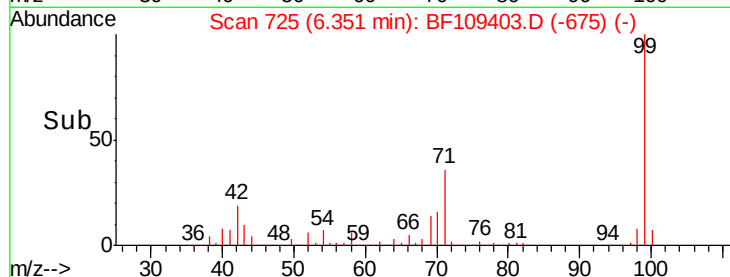
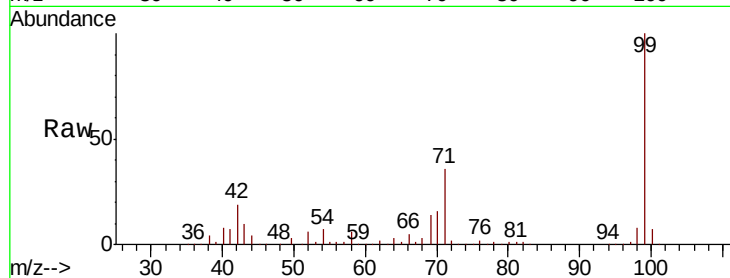
Tgt Ion: 99 Resp: 817830

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 35.9 25.4 38.0



#10

Phenol

Concen: 2.207 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

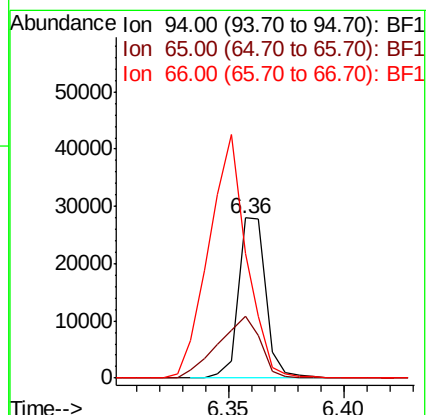
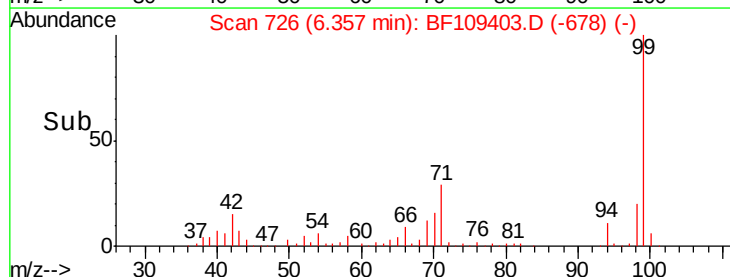
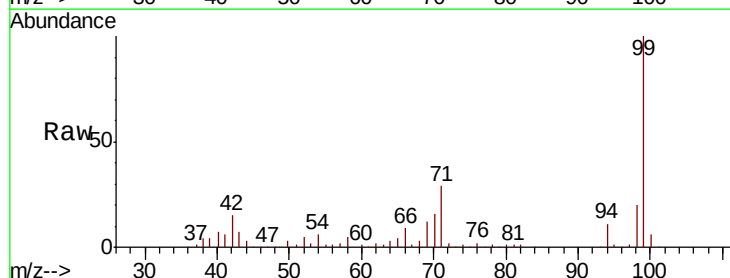
Tgt Ion: 94 Resp: 23193

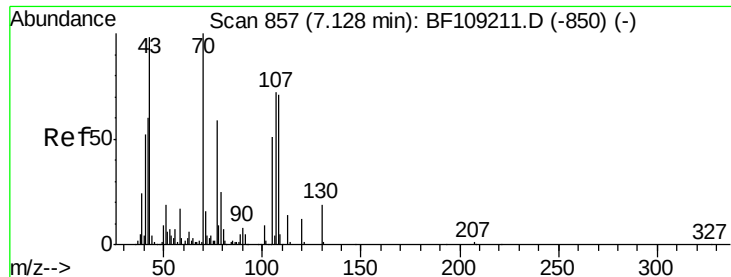
Ion Ratio Lower Upper

94 100

65 38.7 7.9 47.9

66 77.6 16.2 56.2#

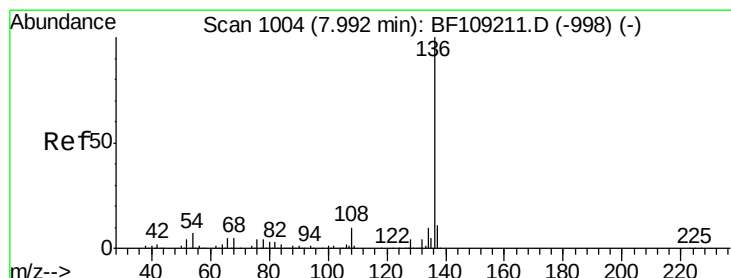
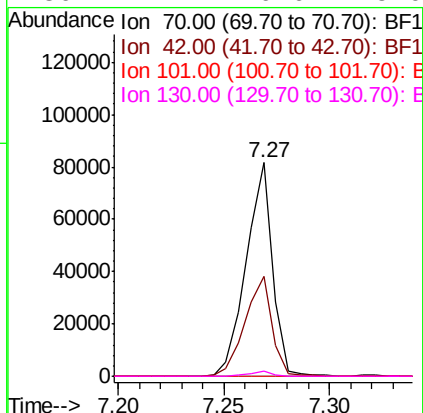
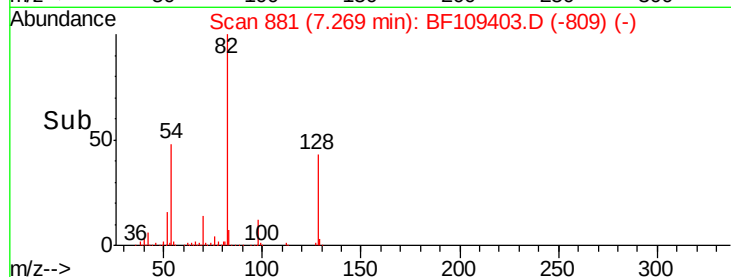
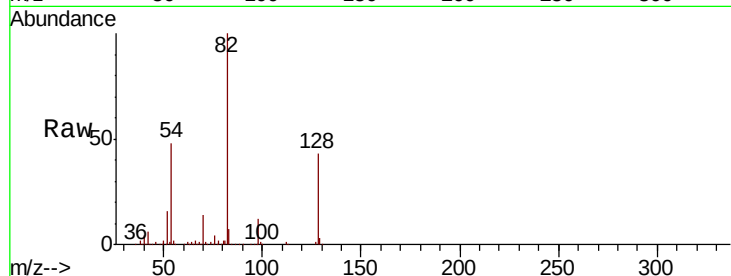




#19
n-Nitroso-di-n-propylamine
Concen: 11.634 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

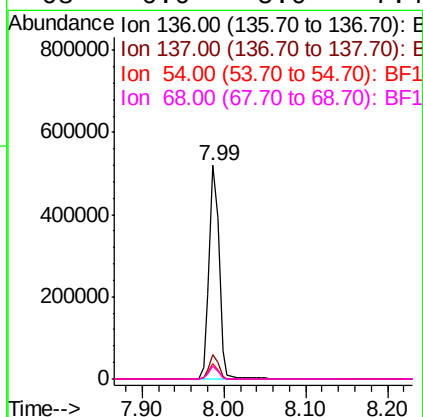
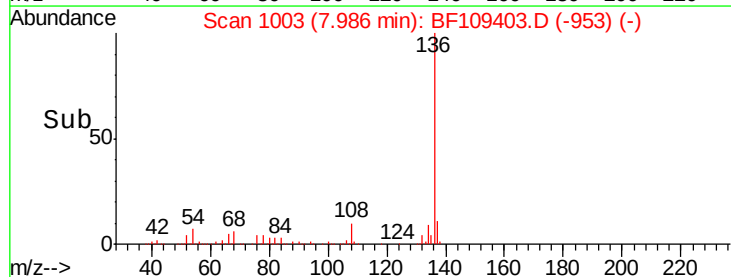
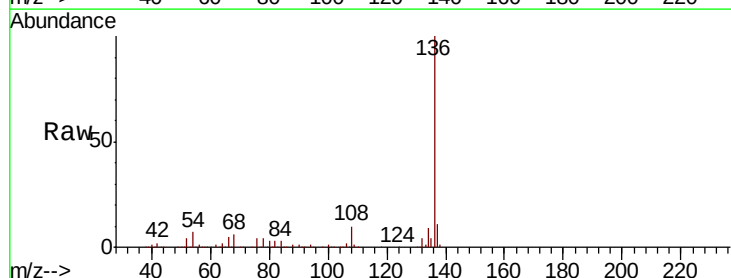
Instrument :
BNA_F
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MT-T-5-2

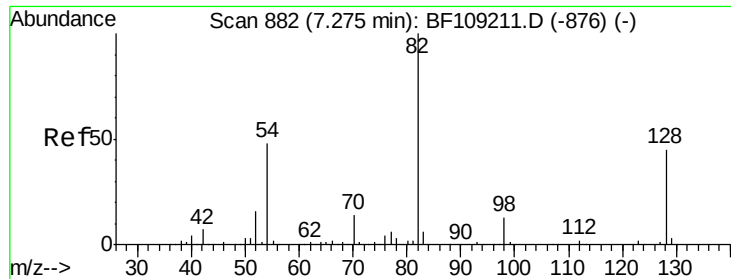
Tgt Ion: 70 Resp: 70741
Ion Ratio Lower Upper
70 100
42 46.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

Tgt Ion: 136 Resp: 445028
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.2 6.6 9.8
68 6.0 5.0 7.4

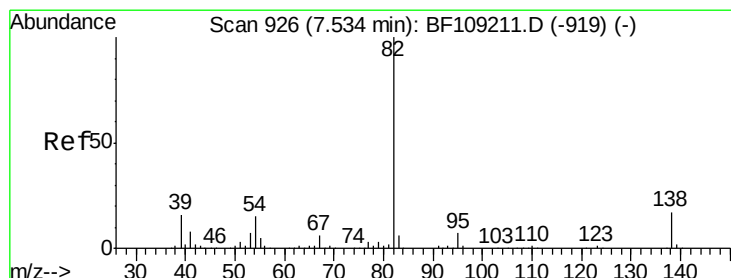
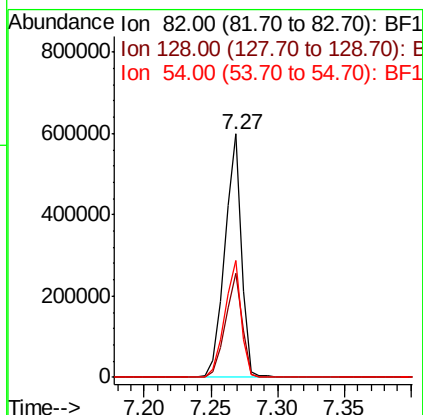
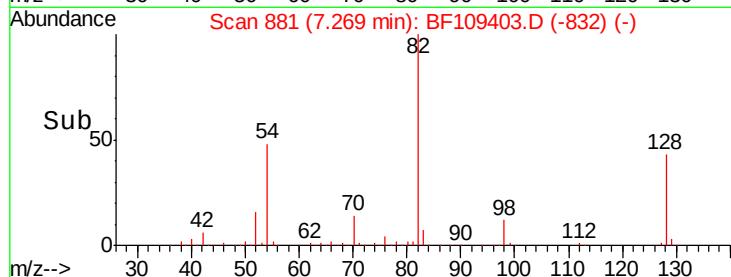
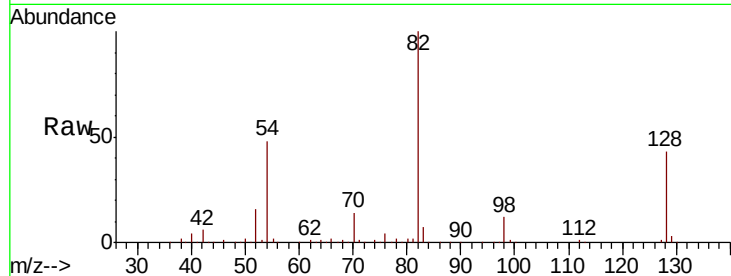




#23
 Nitrobenzene-d5
 Concen: 70.094 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

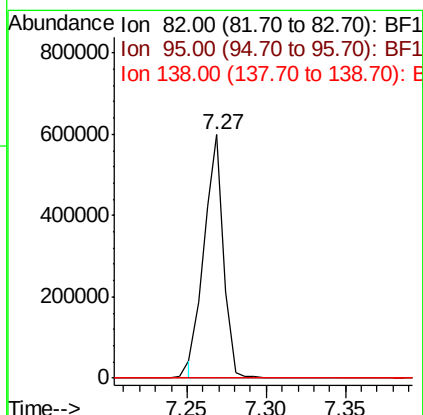
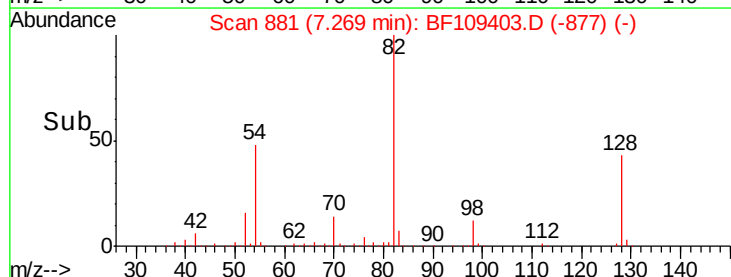
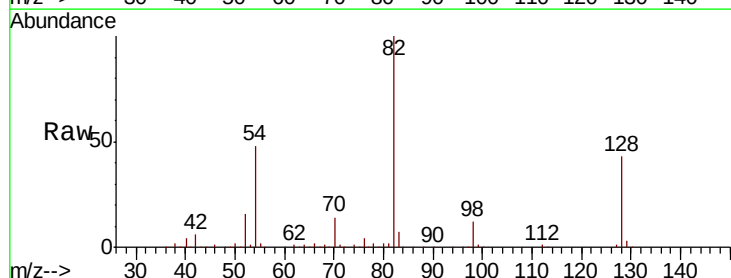
Instrument :
 BNA_F
 ClientSampleId :
 MT-T-5-2

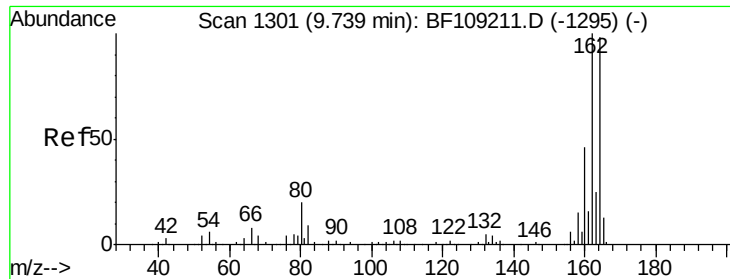
Tgt Ion: 82 Resp: 528423
 Ion Ratio Lower Upper
 82 100
 128 42.8 36.1 54.1
 54 47.8 41.4 62.2



#25
 Isophorone
 Concen: 37.503 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

Tgt Ion: 82 Resp: 509119
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

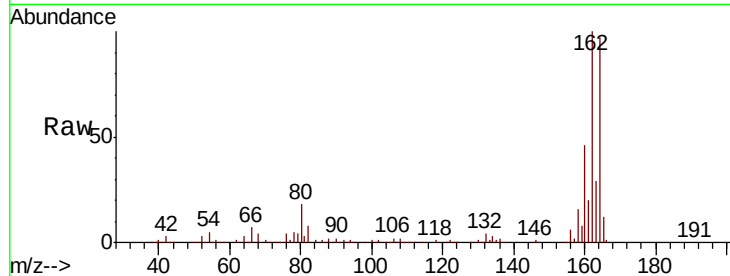




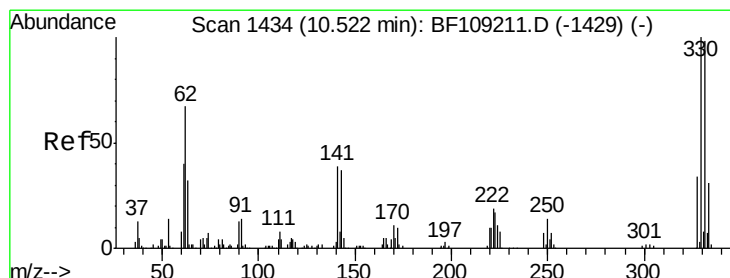
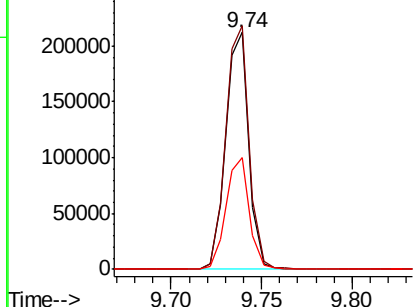
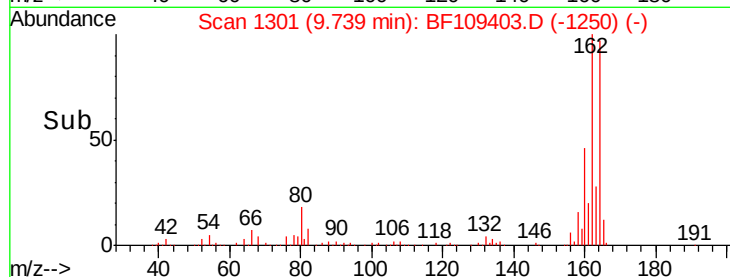
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 MT-T-5-2

Tgt Ion:164 Resp: 187202
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.1 129.1
 160 47.4 38.3 57.5

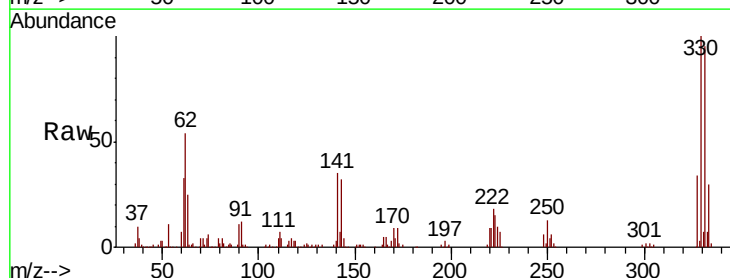


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

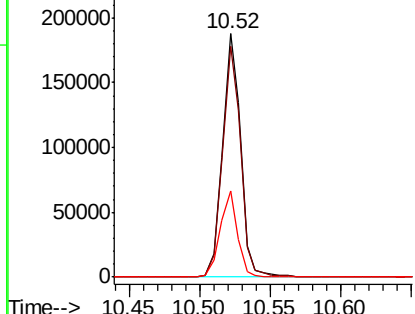
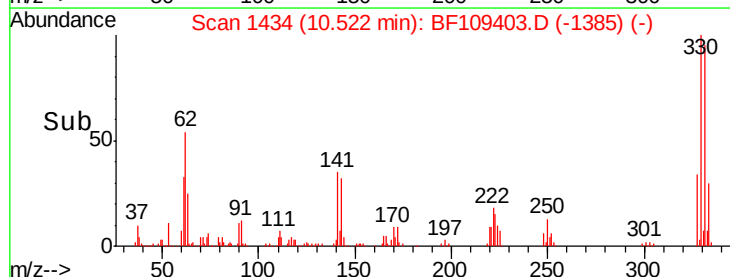


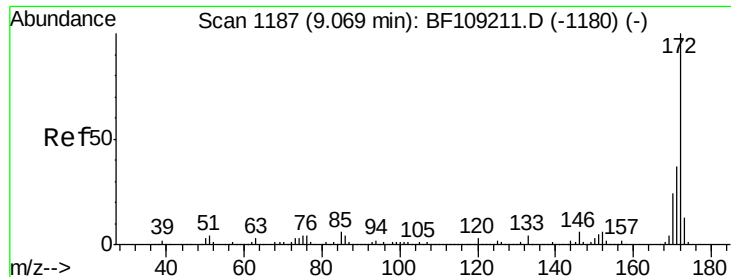
#41
 2,4,6-Tribromophenol
 Concen: 90.831 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

Tgt Ion:330 Resp: 167621
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 33.7 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

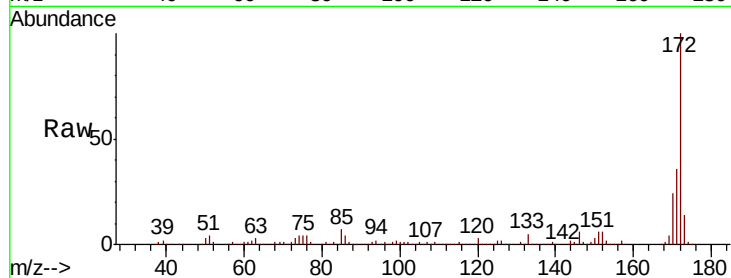




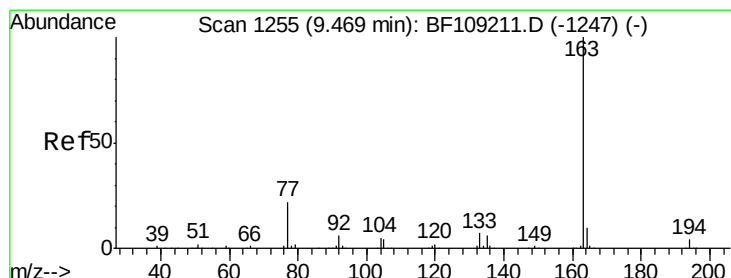
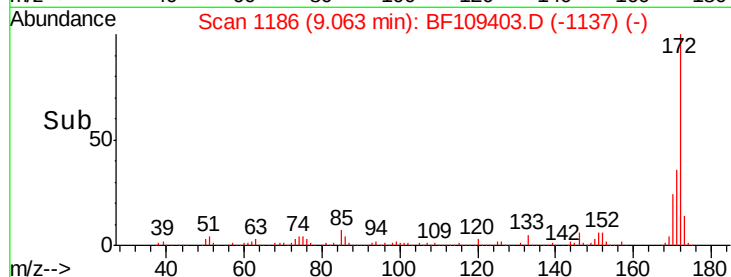
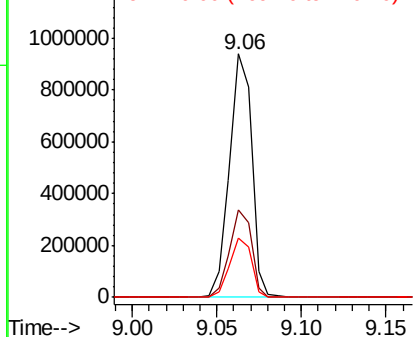
#44
2-Fluorobiphenyl
Concen: 69.332 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

Instrument :
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Tgt Ion:172 Resp: 860574
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.2 19.6 29.4

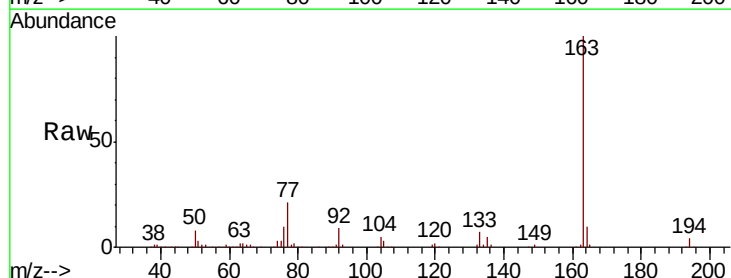


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

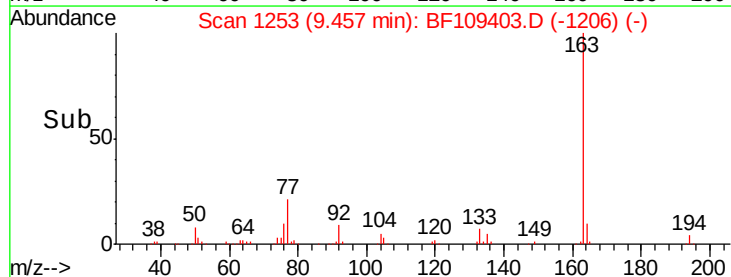
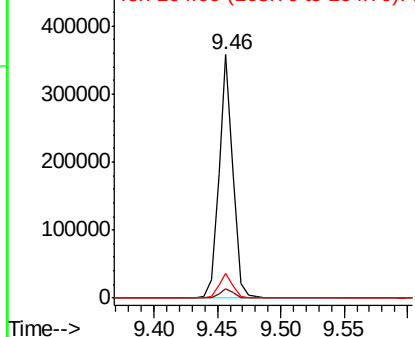


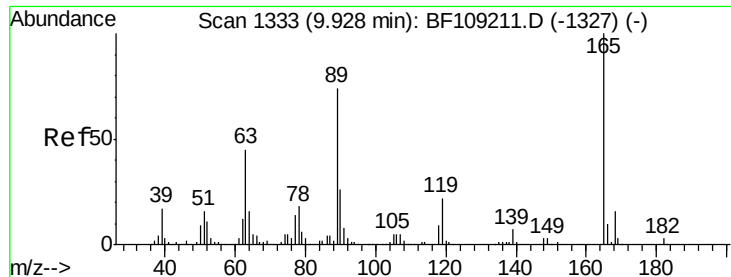
#49
Dimethylphthalate
Concen: 20.347 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

Tgt Ion:163 Resp: 277046
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

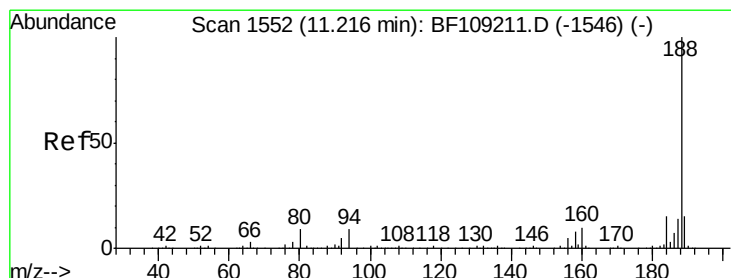
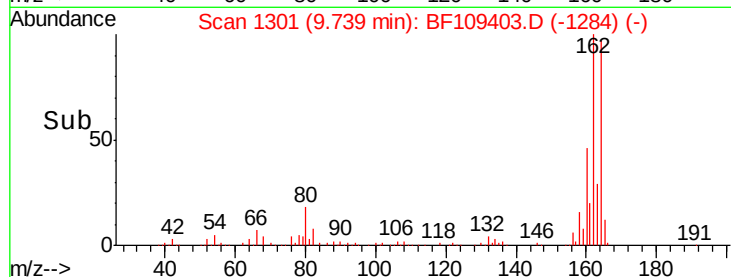
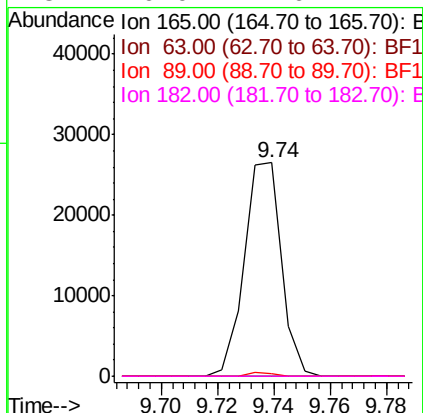
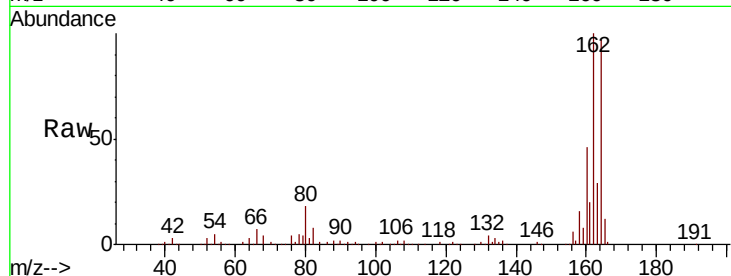




#56
 2,4-Dinitrotoluene
 Concen: 7.080 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

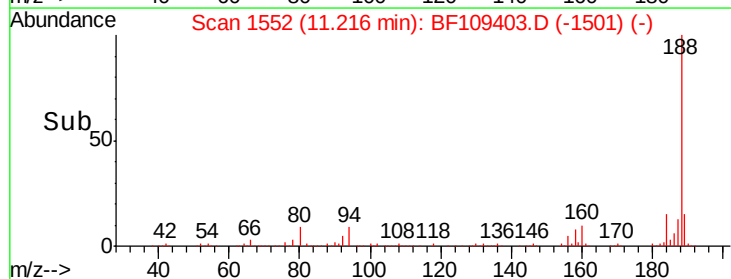
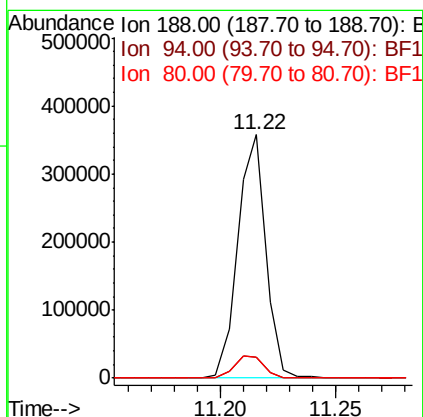
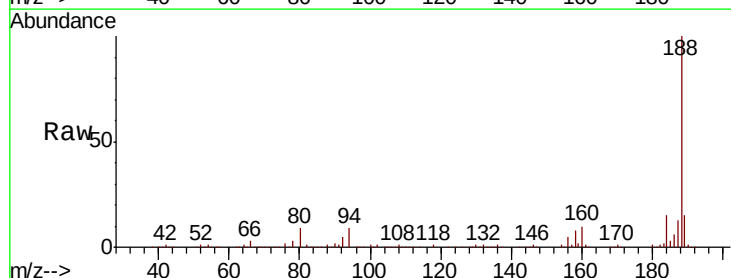
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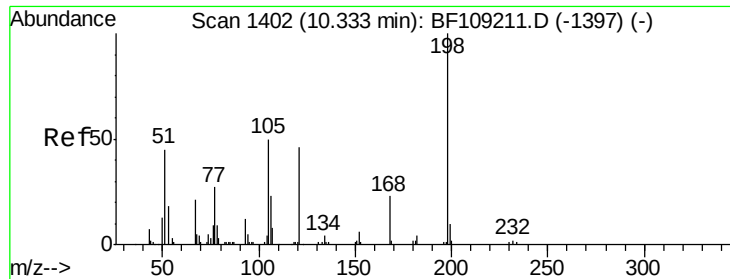
Tgt Ion:	165	Resp:	24158
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

Tgt Ion:	188	Resp:	302385
Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	8.8	9.2	13.8#

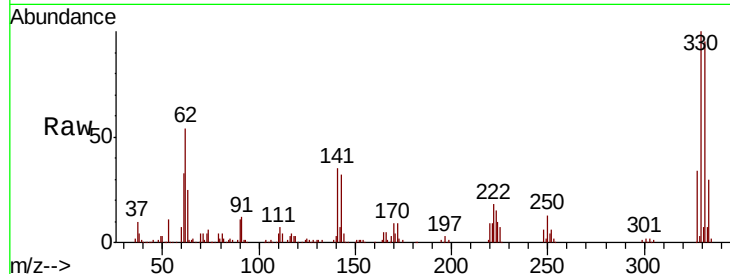




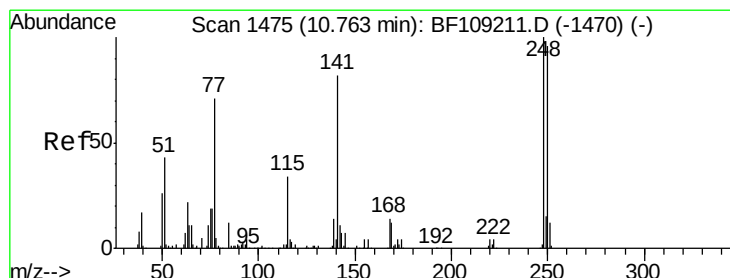
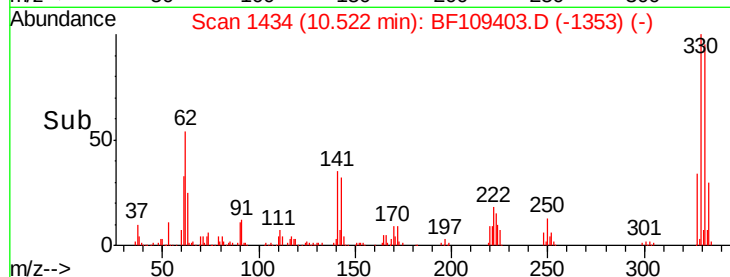
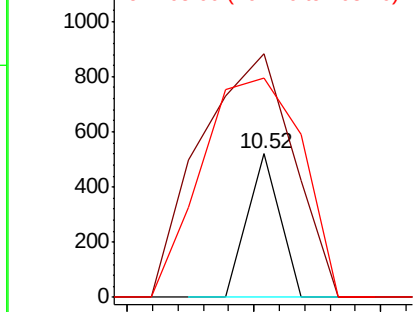
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.651 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 MT-T-5-2

Tgt Ion:198 Resp: 184
 Ion Ratio Lower Upper
 198 100
 51 169.3 37.7 77.7#
 105 152.4 36.3 76.3#

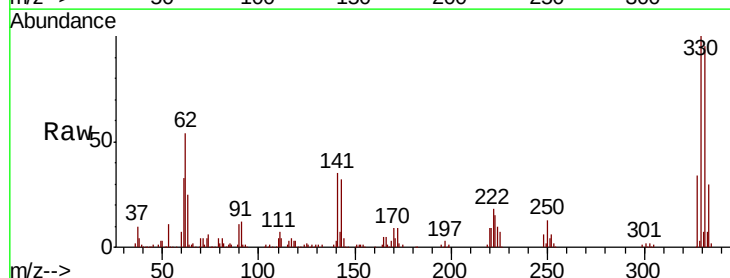


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

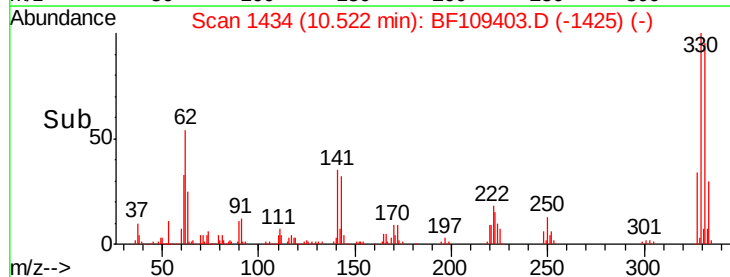
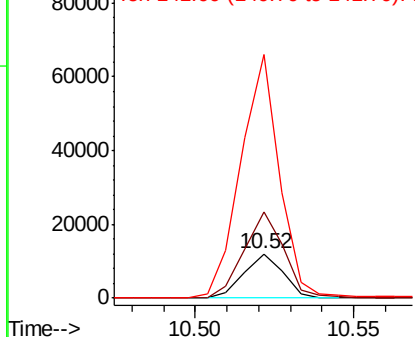


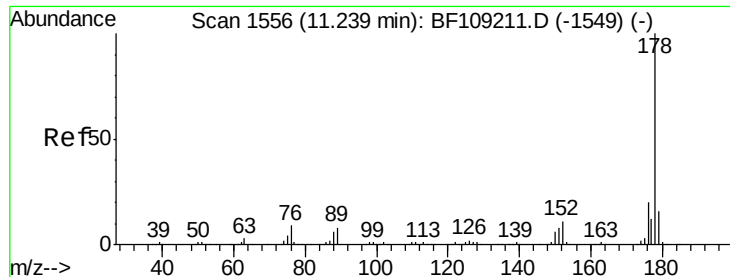
#66
 4-Bromophenyl-phenylether
 Concen: 3.059 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

Tgt Ion:248 Resp: 10271
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 550.8 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

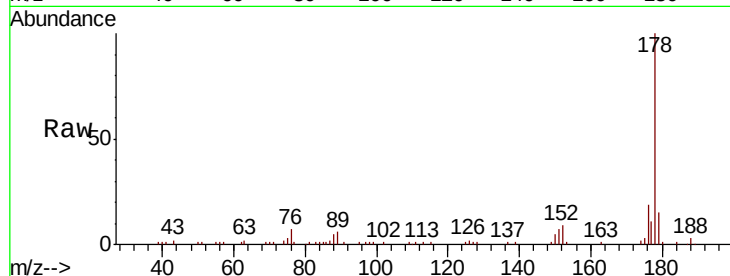




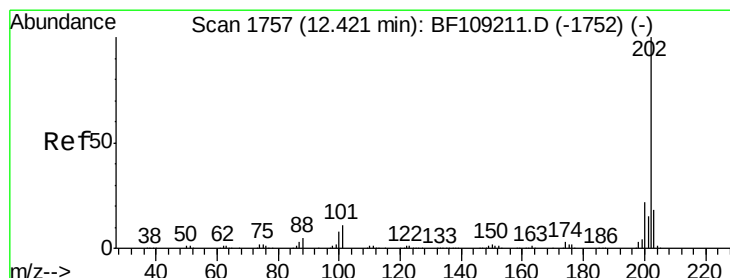
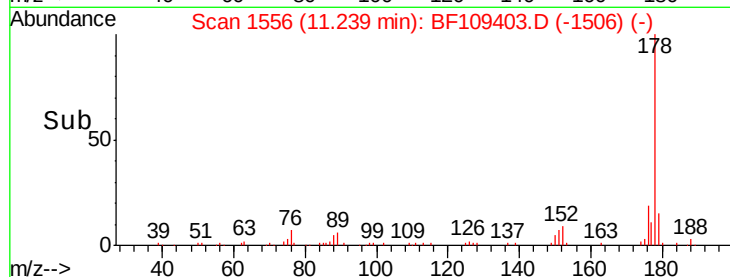
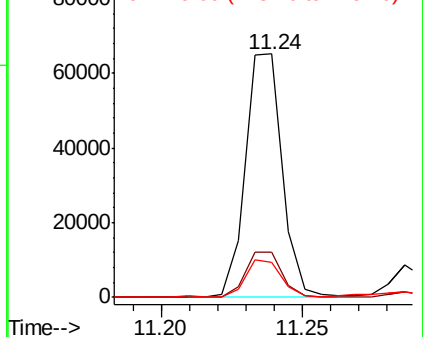
#70
Phenanthrene
Concen: 3.912 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

Instrument :
BNA_F
ClientSampleId :
MT-T-5-2

Tgt Ion:178 Resp: 59062
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.6 13.0 19.6

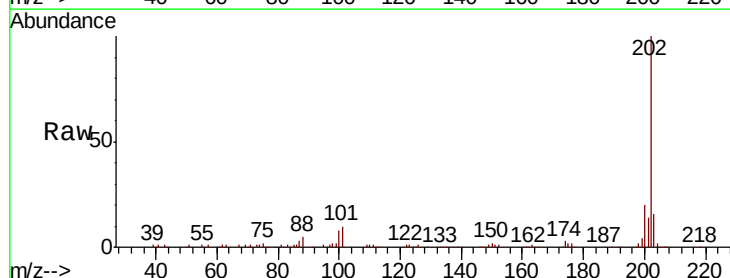


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

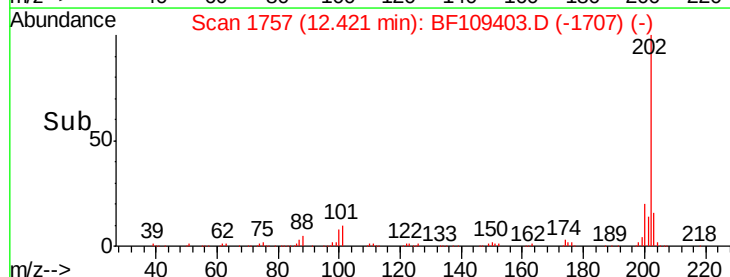
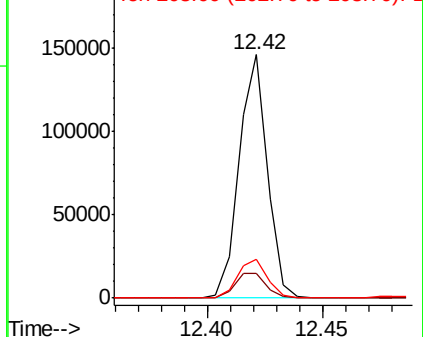


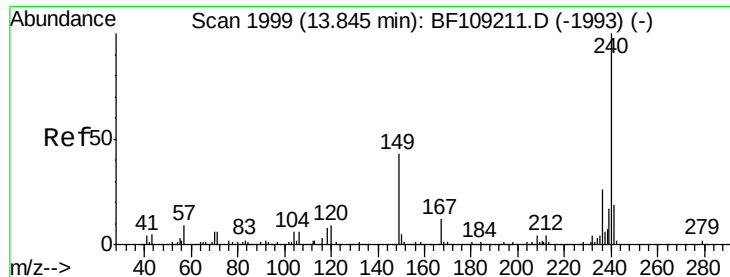
#74
Fluoranthene
Concen: 7.707 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109403.D
Acq: 27 Sep 2018 22:21

Tgt Ion:202 Resp: 124352
Ion Ratio Lower Upper
202 100
101 10.2 0.0 34.1
203 16.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

Instrument :

BNA_F

ClientSampleId :

MT-T-5-2

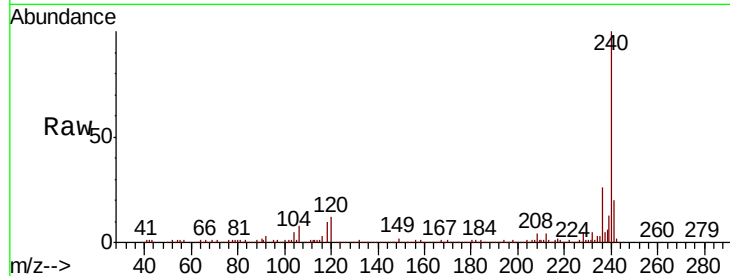
Tgt Ion:240 Resp: 280460

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

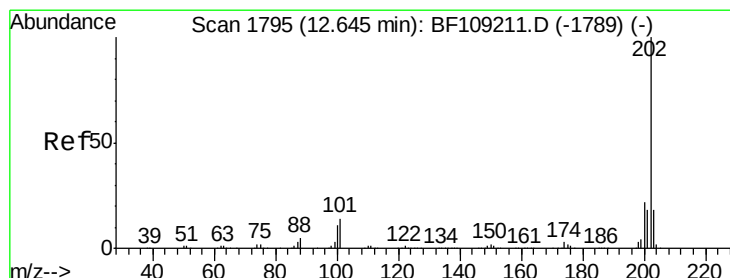
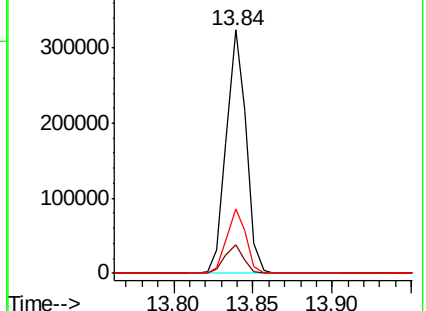
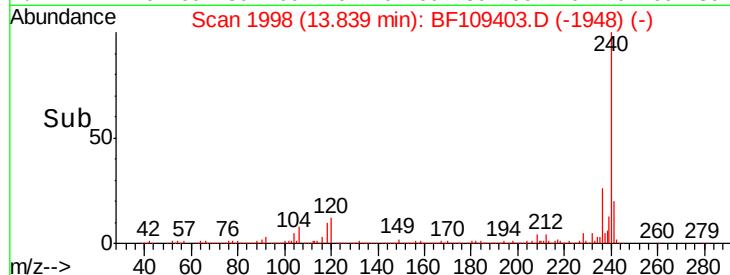
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.073 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

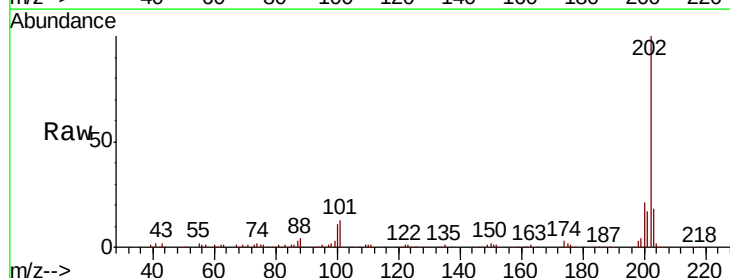
Tgt Ion:202 Resp: 101961

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

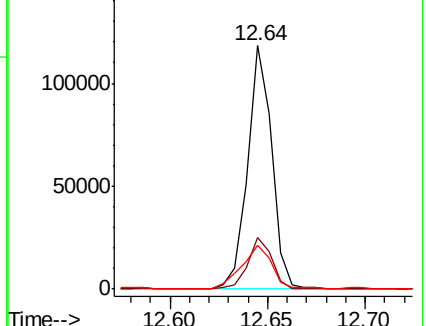
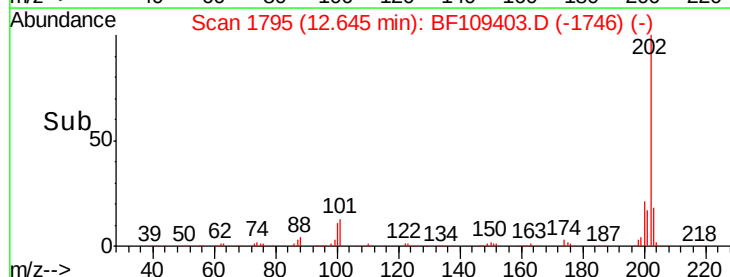
203 18.0 14.3 21.5

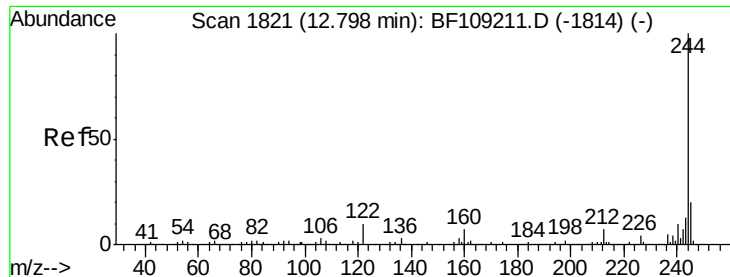


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

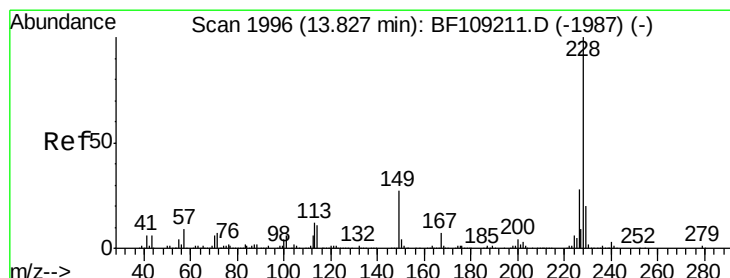
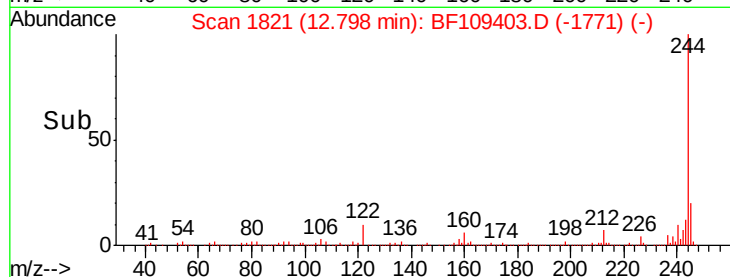
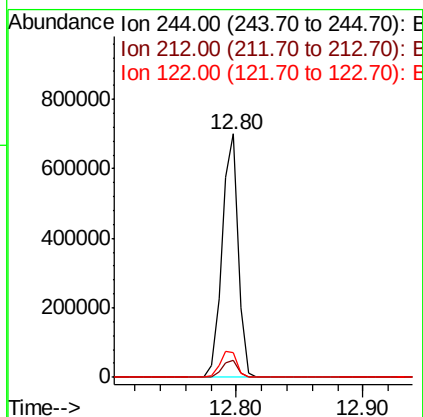
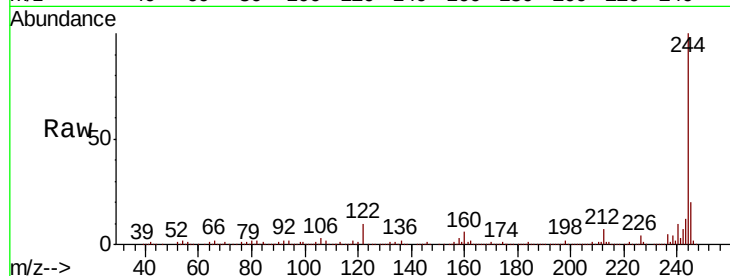




#78
 Terphenyl-d14
 Concen: 54.377 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

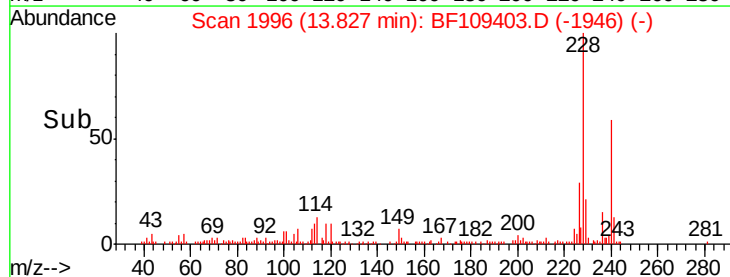
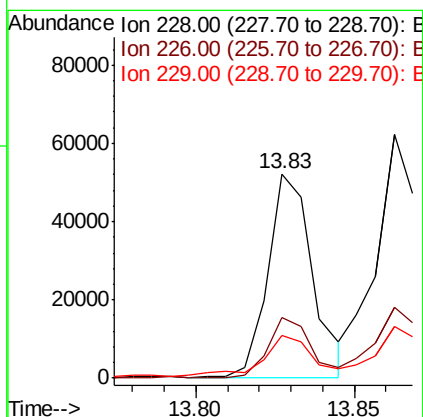
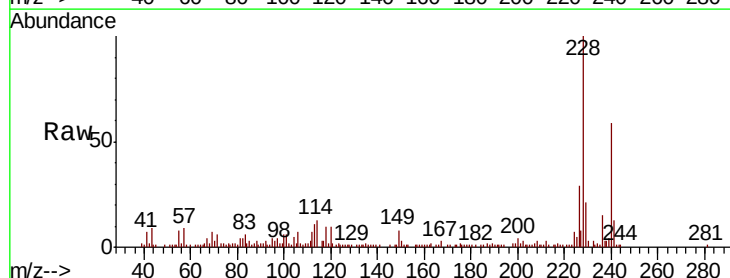
Instrument :
 BNA_F
 ClientSampleId :
 MT-T-5-2

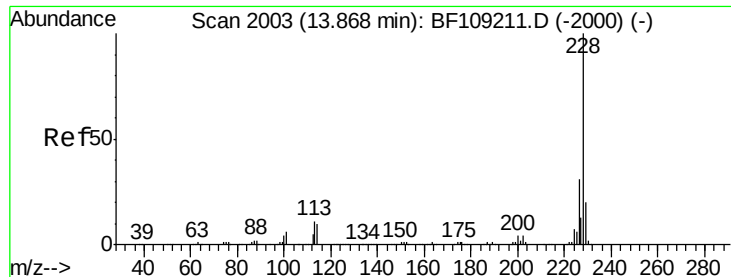
Tgt Ion:244 Resp: 621412
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 10.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.056 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109403.D
 Acq: 27 Sep 2018 22:21

Tgt Ion:228 Resp: 51632
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 20.7 15.8 23.6





#82

Chrysene

Concen: 3.548 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

Instrument :

BNA_F

ClientSampleId :

MT-T-5-2

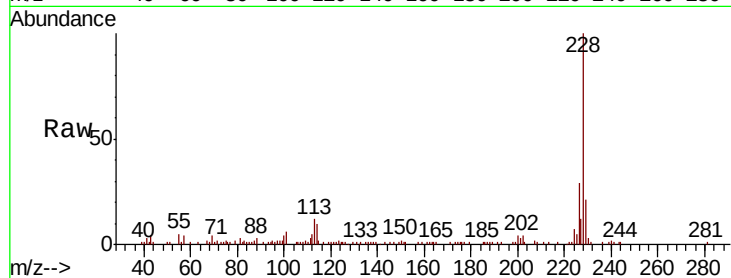
Tgt Ion:228 Resp: 59408

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

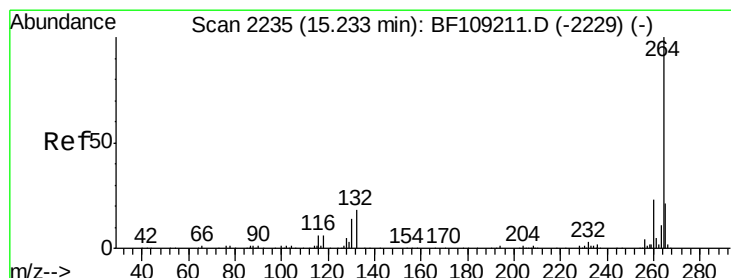
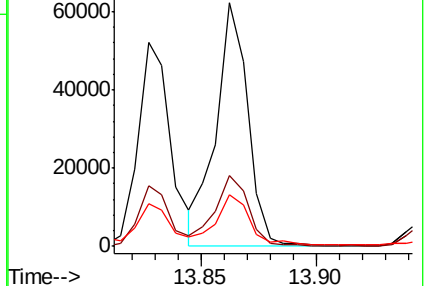
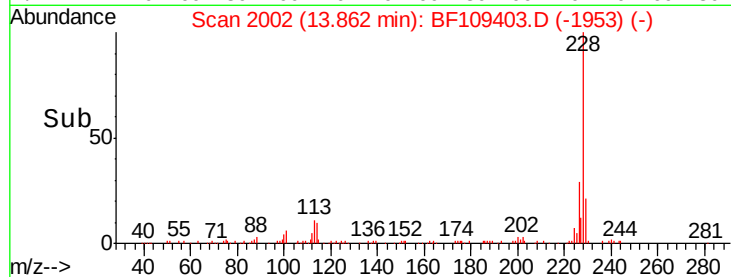
229 21.4 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

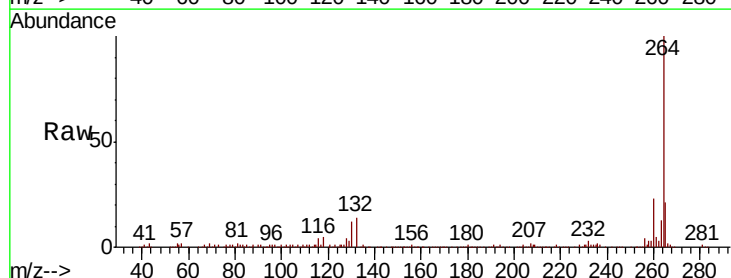
Tgt Ion:264 Resp: 203722

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

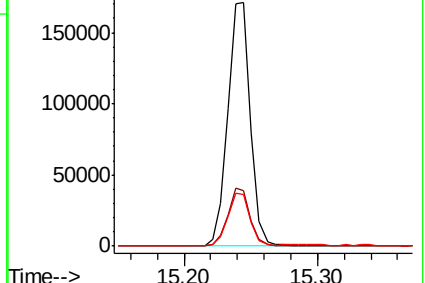
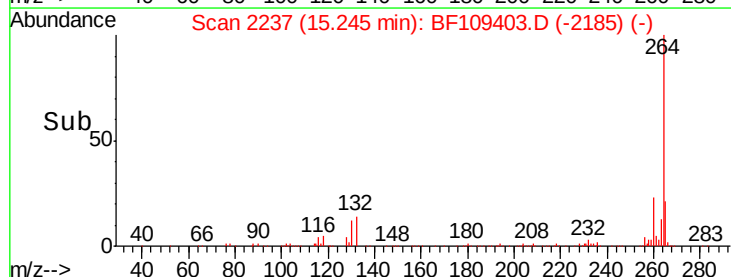
265 21.2 17.5 26.3

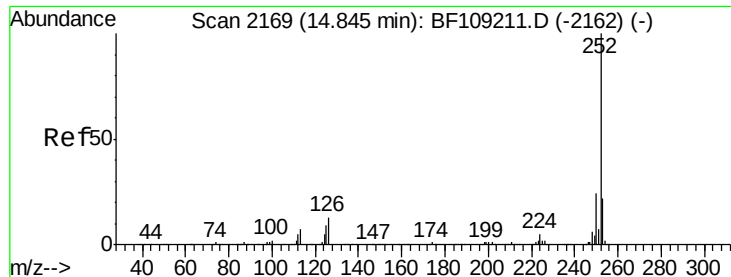


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.028 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

Instrument :

BNA_F

ClientSampleId :

MT-T-5-2

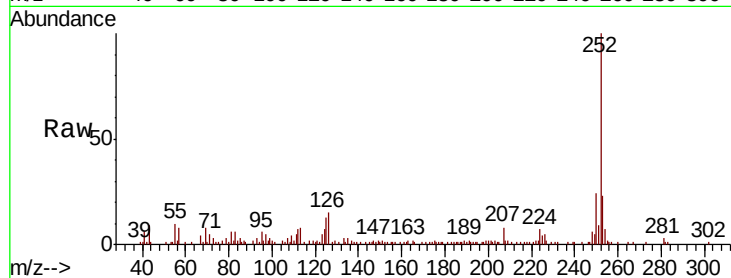
Tgt Ion:252 Resp: 78673

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

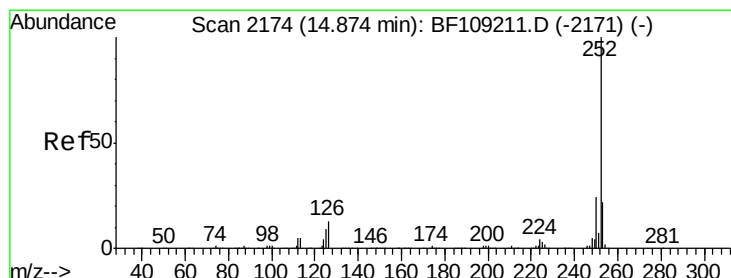
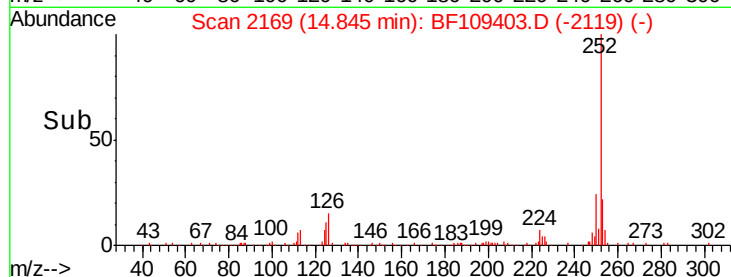
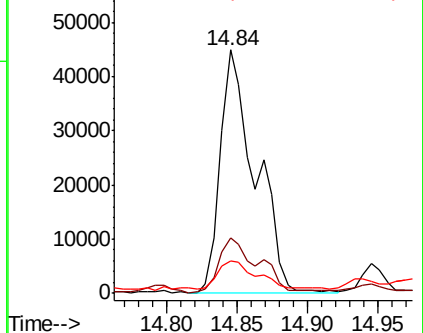
125 13.1 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.406 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

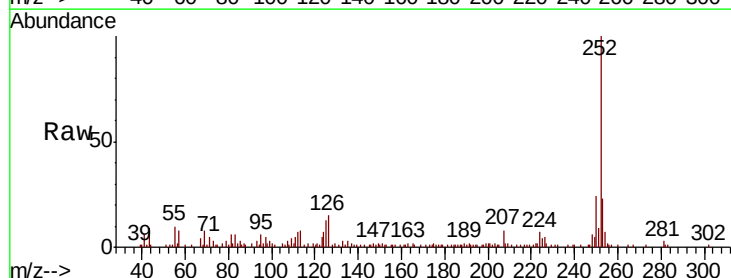
Tgt Ion:252 Resp: 78673

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

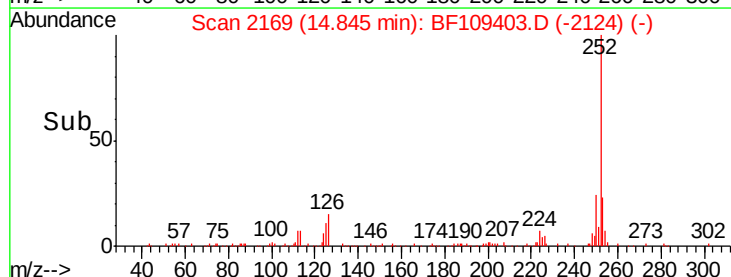
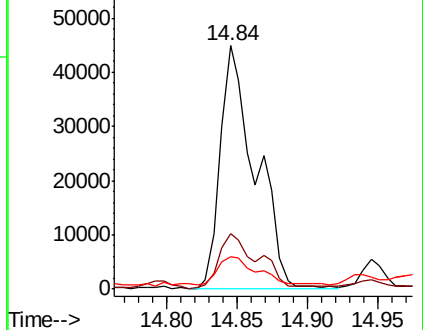
125 13.1 10.2 15.2

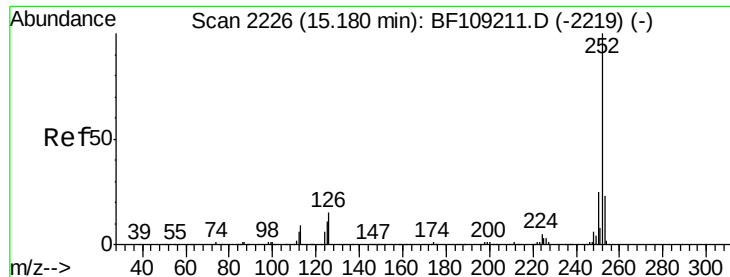


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.287 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

Instrument :

BNA_F

ClientSampleId :

MT-T-5-2

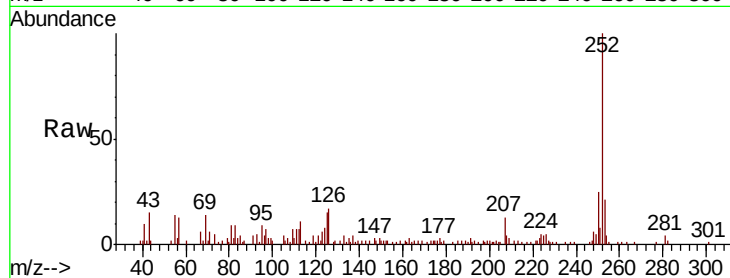
Tgt Ion:252 Resp: 33160

Ion Ratio Lower Upper

252 100

253 21.2 17.1 25.7

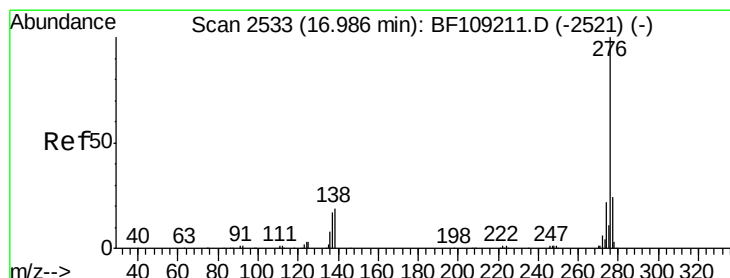
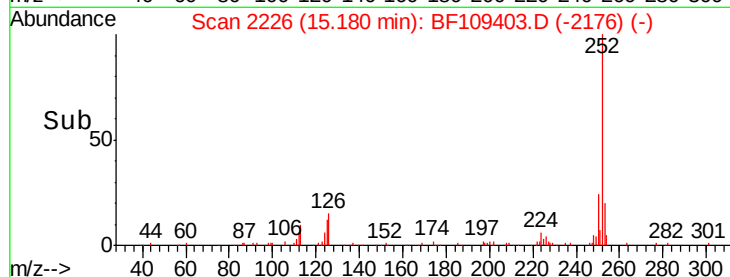
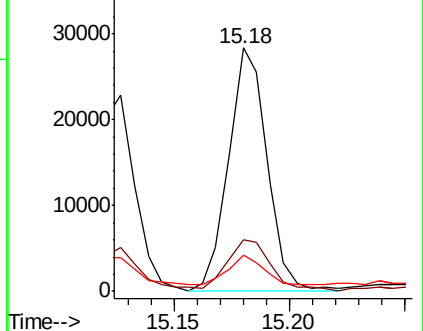
125 15.1 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.301 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109403.D

Acq: 27 Sep 2018 22:21

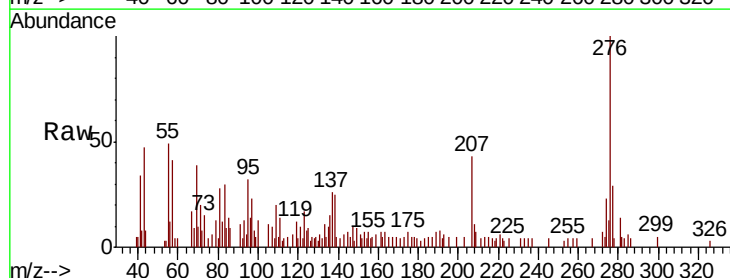
Tgt Ion:276 Resp: 18718

Ion Ratio Lower Upper

276 100

277 29.2 17.9 26.9#

138 25.1 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

